

ACROSS CLUES

1. The resistance to relative motion between two surfaces in contact.
4. The rate of motion in a particular direction.
5. The difference in ? gives an airfoil lift.
8. Indicates the height above sea level.
9. Is how fast the air is moving past an airfoil.
10. The downward force on a plane.
11. A force generated by an airfoil which acts perpendicular to the incoming flow.
13. The science that deals with the motion of air and the forces it produces on an airfoil.
15. The side to side motion of an airplane.
17. A line depicting the flow path of a particle of air.
19. The distance from one wing tip to the other.
21. When the air flow separates from the airfoil reducing the lift.
23. Irregular motion of air; uneven currents of air.
24. The motion of an airplane caused by the use of ailerons.
25. The straight line from the leading edge to the trailing edge of an airfoil.
26. Part of an airplane that causes it to roll.

FLIGHT
AERODYNAMICS
AIRSPEED
AILERON
AIRFOIL
ALTITUDE
CAMBER
CHORD
DRAG
FORCE
FRICTION
LIFT
PITCH
WEIGHT

DOWN CLUES

1. A push or pull exerted on an object.
2. The force that counter acts the weight of an airplane.
3. The part of an airplane that controls the yaw of the airplane.
6. The distance from one wing tip to the other.
7. The measure of the curvature of the airfoil.
8. A streamlined surface designed in such a way that air flowing around it produces useful motion.
10. A three dimensional object that moves through the air and can generate lift.
12. The force the engine supplies to the airplane.
14. The point on an airfoil that separates the upper and lower streamlines.
16. A facility where an airstream is forced across an airfoil to study aerodynamics.
18. The curve described by a projectile in flight.
20. The up and down motion of an airplane controlled by the elevators.
22. The force that opposes thrust.

PRESSURE
ROLL
RUDDER
SPAN
STREAMLINES
STAGNATION
THRUST
TRAJECTORY
TURBULENCE
VELOCITY
WING-SPAN
WING
WIND-TUNNEL
STALL
YAW